

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the accompanying application of )  
)  
RAYMOND E. PAGGI, JOSEPH M. RUSSO, )  
KAY COLAPRET, JAMES R. MACIAS, and )  
KRISHNA R. KAUSHIK )  
)  
)  
LUBRICATING OIL FOR A DIESEL )  
POWERED ENGINE AND METHOD OF )  
OPERATING A DIESEL POWERED ENGINE )  
\_\_\_\_\_ )

June 24, 2003

COMMISSIONER FOR PATENTS  
P. O. Box 1450  
Alexandria, VA 22313-1450

Sir:

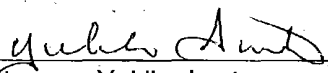
INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.56 AND 1.97

It is respectfully requested that the documents listed on the attached Form PTO-1449 be considered by the Patent and Trademark Office in the above-entitled application and made of record therein. Full text copies of the relevant documents are enclosed.

The Examiner is requested to indicate consideration of this art on the attached PTO-1449 (Modified) by initialing next to each item submitted by the Applicant.

Respectfully submitted,

RAYMOND E. PAGGI, JOSEPH M. RUSSO,  
KAY COLAPRET, JAMES R. MACIAS, and  
KRISHNA R. KAUSHIK

By   
Attorney, Yukiko Iwata  
Registration No. 35,748  
(713) 241-5593

P.O. Box 2463  
Houston, Texas 77252-2463

FORM PTO-1449 (Modified)

ATTY. DOCKET NO.  
TH2189 (US)

APPLICATION NUMBER

LIST OF INFORMATION PROVIDED  
BY APPLICANT

(Use several sheets if necessary)

APPLICANT  
R. E. Paggi et al.

FILING DATE

GROUP ART UNIT

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
	AA	6,286,482	9/11/01	Flynn et al.	123	435	
	AB	6,296,757	10/2/01	Wittenbrink et al.	208	15	
	AC	3,886,260	5/27/75	Unland	423	213.5	
	AD	4,080,425	3/21/78	Tanaka et al.	423	235	
	AE	4,107,272	8/15/78	Mori et al.	423	239	
	AF	4,208,386	6/17/80	Arand et al.	423	235	
	AG	4,281,533	8/4/81	Eesley et al.	73	15 R	
	AH	4,313,300	2/2/82	Wilkes et al.	60	39.02	
	AI	4,601,799	7/22/86	Froberger et al.	204	181.8	
	AJ	4,638,777	1/27/87	Fanner et al.	123	277	
	AK	4,717,489	1/5/88	Schieman	252	32.7 E	
	AL	4,731,231	3/15/88	Perry	423	235	
	AM	4,793,306	12/27/88	Swain	123	308	

## FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation Yes No	
	AO							
	AP							

## OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

	AR	
	AS	

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

1. The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention.
2. This is not a representation that a search has been made.

FORM PTO-1449 (Modified)

ATTY. DOCKET NO.  
TH2189 (US)

APPLICATION NUMBER

LIST OF INFORMATION PROVIDED  
BY APPLICANT

(Use several sheets if necessary)

APPLICANT  
R. E. Paggi et al.

FILING DATE

GROUP ART UNIT

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
	BA	4,800,068	1/24/89	Perry	422	173	
	BB	4,883,032	11/28/89	Hunter et al.	123	276	
	BC	4,928,481	5/29/90	Joshi et al.	60	737	
	BD	4,960,059	10/2/90	Berkau et al.	110	347	
	BE	5,087,431	2/11/92	Gardner-Chavis et al.	423	239	
	BF	5,102,566	4/7/92	Fetterman, Jr. et al.	252	32.7 E	
	BG	5,141,657	8/25/92	Fetterman, Jr. et al.	252	32.7 E	
	BH	5,171,462	12/15/92	DeRosa et al.	252	47	
	BI	5,171,558	12/15/92	Gardner-Chavis et al.	423	365	
	BJ	5,199,255	4/6/93	Sun et al.	60	39.02	
	BK	5,189,876	3/2/93	Hirota et al.	60	286	
	BL	5,224,346	7/6/93	Berriman et al.	60	274	
	BM	5,233,934	8/10/93	Krigmont et al.	110	345	

## FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation Yes No	
	BO							
	BP							

## OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

	BR	
	BS	

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

1. The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention.
2. This is not a representation that a search has been made.

FORM PTO-1449 (Modified)

ATTY. DOCKET NO.  
TH2189 (US)

APPLICATION NUMBER

LIST OF INFORMATION PROVIDED  
BY APPLICANT

(Use several sheets if necessary)

APPLICANT  
R. E. Paggi et al.

FILING DATE

GROUP ART UNIT

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
	CA	5,234,670	8/10/93	Gardner-Chavis et al.	423	235	
	CB	5,264,195	11/23/93	Turchan	4232	235	
	CC	5,266,083	11/30/93	Peter-Hoblyn et al.	44	358	
	CD	5,800,782	9/1/98	Hagstrom et al.	422	75	
	CE	6,038,854	3/21/00	Penetrante et al.	60	297	
	CF	6,174,842	1/16/01	Gatto et al.	508	364	
	CG	5,290,325	3/1/94	Kanne et al.	44	400	
	CH	6,074,973	6/13/00	Lambert et al.	502	60	
	CI	6,016,653	1/25/00	Glassey et al.	60	274	
	CJ	5,292,351	3/8/94	DeRosa et al.	44	417	
	CK	5,320,765	6/14/94	Fetterman et al.	252	32.7 E	
	CL	6,165,934	12/26/00	Gardner et al.	502	330	
	CM	6,004,910	12/21/99	Bloch et al.	508	294	

## FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation	
							Yes	No
	CO							
	CP							

## OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

	CR	
	CS	

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

1. The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention.
2. This is not a representation that a search has been made.

FORM PTO-1449 (Modified)  <div style="text-align: center;"> <b>LIST OF INFORMATION PROVIDED BY APPLICANT</b>          (Use several sheets if necessary)       </div>	<b>ATTY. DOCKET NO.</b> TH2189 (US)	<b>APPLICATION NUMBER</b>  <b>APPLICANT</b> R. E. Paggi et al.
	<b>FILING DATE</b>	<b>GROUP ART UNIT</b>

REFERENCE DESIGNATION		U.S. PATENT DOCUMENTS					
Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
	DA	6,159,911	12/12/00	Katafuchi	508	391	
	DB	5,330,732	7/19/94	Ishibashi et al.	423	213.2	
	DC	5,924,280	7/20/99	Tarabulski	60	274	
	DD	6,161,378	12/19/00	Hanaoka et al.	60	286	
	DE	6,001,152	12/14/99	Sinha	95	58	
	DF	5,980,844	11/9/99	Kharas	423	213.2	
	DG	5,922,295	7/13/99	Chattha et al.	423	213.7	
	DH	5,830,421	11/3/98	Gardner et al.	423	213.2	
	DI	6,056,793	5/2/00	Suppes	44	446	
	DJ	5,960,777	10/5/99	Nemser et al.	123	585	
	DK	6,003,303	12/21/99	Peter-Hoblyn et al.	60	274	
	DL	5,879,645	3/9/99	Park et al.	423	213.2	
	DM	5,787,708	8/4/98	Lane et al.	60	301	

FOREIGN PATENT DOCUMENTS							
		Document No.	Date	Country	Class	Subclass	Translation Yes      No
	DO						
	DP						

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
	DR
	DS

<b>EXAMINER</b>	<b>DATE CONSIDERED</b>
-----------------	------------------------

**EXAMINER:** Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

1. The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention.
2. This is not a representation that a search has been made.

FORM PTO-1449 (Modified)

ATTY. DOCKET NO.  
TH2189 (US)

APPLICATION NUMBER

LIST OF INFORMATION PROVIDED  
BY APPLICANT

(Use several sheets if necessary)

APPLICANT  
R. E. Paggi et al.

FILING DATE

GROUP ART UNIT

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
	EA	6,093,378	7/25/00	Deeba et al.	423	213.5	
	EB	6,202,407	3/20/01	Brusasco et al.	60	274	
	EC	5,364,606	11/15/94	Hung	423	239.2	
	ED	5,491,256	2/13/96	Derosa et al.	560	132	
	EE	5,472,339	12/5/95	Rakowski et al.	431	171	
	EF	5,422,085	6/6/95	Bell et al.	423	213.5	
	EG	5,453,004	9/26/95	Hofbauer	431	9	
	EH	5,435,283	7/25/95	Zehr	123	306	
	EI	5,426,936	6/27/95	Levendis et al.	60	278	
	EJ	5,522,218	6/4/96	Lane et al.	60	274	
	EK	5,707,596	1/13/98	Lewandowski et al.	423	235	
	EL	5,609,026	3/11/97	Berriman et al.	60	286	
	EM	5,555,853	9/17/96	Bowen et al.	123	2	

## FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation Yes No	
	EO							
	EP							

## OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

	ER	
	ES	

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

- The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention.
- This is not a representation that a search has been made.

FORM PTO-1449 (Modified)

ATTY. DOCKET NO.  
TH2189 (US)

APPLICATION NUMBER

LIST OF INFORMATION PROVIDED  
BY APPLICANT

(Use several sheets if necessary)

APPLICANT  
R. E. Paggi et al.

FILING DATE

GROUP ART UNIT

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
	FA	5,661,272	8/26/97	Iannetti	181	256	
	FB	5,523,007	6/4/96	Kristen et al.	252	32.7 E	
	FC	5,746,144	5/5/98	Breen et al.	110	345	
	FD	5,868,112	2/9/99	Mahakul et al.	123	263	
	FE	5,791,139	8/11/98	Atago et al.	60	274	
	FF	5,783,160	7/21/98	Kinugasa et al.	423	237	
	FG	5,766,562	6/16/98	Chattha et al.	423	213.5	
	FH	5,719,107	2/17/98	Outten et al.	508	185	
	FI	6,274,029	8/14/01	Wittenbrink et al.	208	15	
	FJ	6,276,334	8/21/01	Flynn et al.	123	435	
	FK	6,248,684	6/19/01	Yavuz et al.	502	66	
	FL	6,230,683	5/15/01	zur Loye et al.	123	435	
	FM	6,227,221	5/8/01	Schmitz	137	1	

## FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation	
							Yes	No
	FL							
	FM							

## OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

	FR	
	FS	

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

1. The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention.
2. This is not a representation that a search has been made.

FORM PTO-1449 (Modified)

ATTY. DOCKET NO.  
TH2189 (US)

APPLICATION NUMBER

LIST OF INFORMATION PROVIDED  
BY APPLICANT

(Use several sheets if necessary)

APPLICANT  
R. E. Paggi et al.

FILING DATE

GROUP ART UNIT

REFERENCE DESIGNATION		U.S. PATENT DOCUMENTS					
Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
	GA	6,213,105	4/10/01	Banzhaf et al.	123	568.12	
	GB	6,206,949	3/27/01	Kobayashi et al.	75	460	
	GC	5,238,589	8/24/93	Pratt et al.	252	51.5 A	
	GD						
	GE						
	GF						
	GG						
	GH						
	GI						
	GJ						
	GK						
	GL						
	GM						

## FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation	
							Yes	No
	GL							
	GM							

## OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

	GR	
	GS	

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

1. The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention.
2. This is not a representation that a search has been made.